



1/22

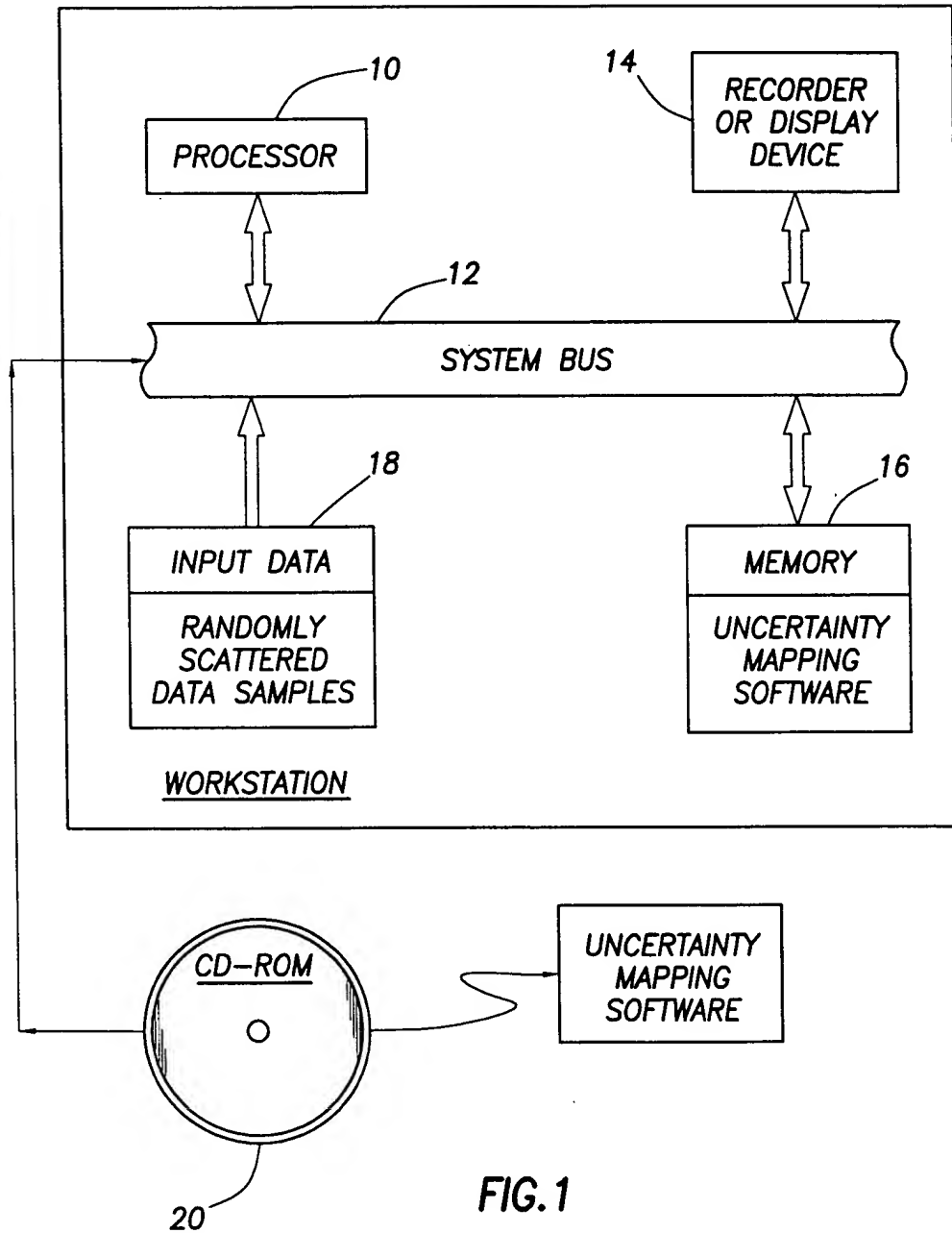
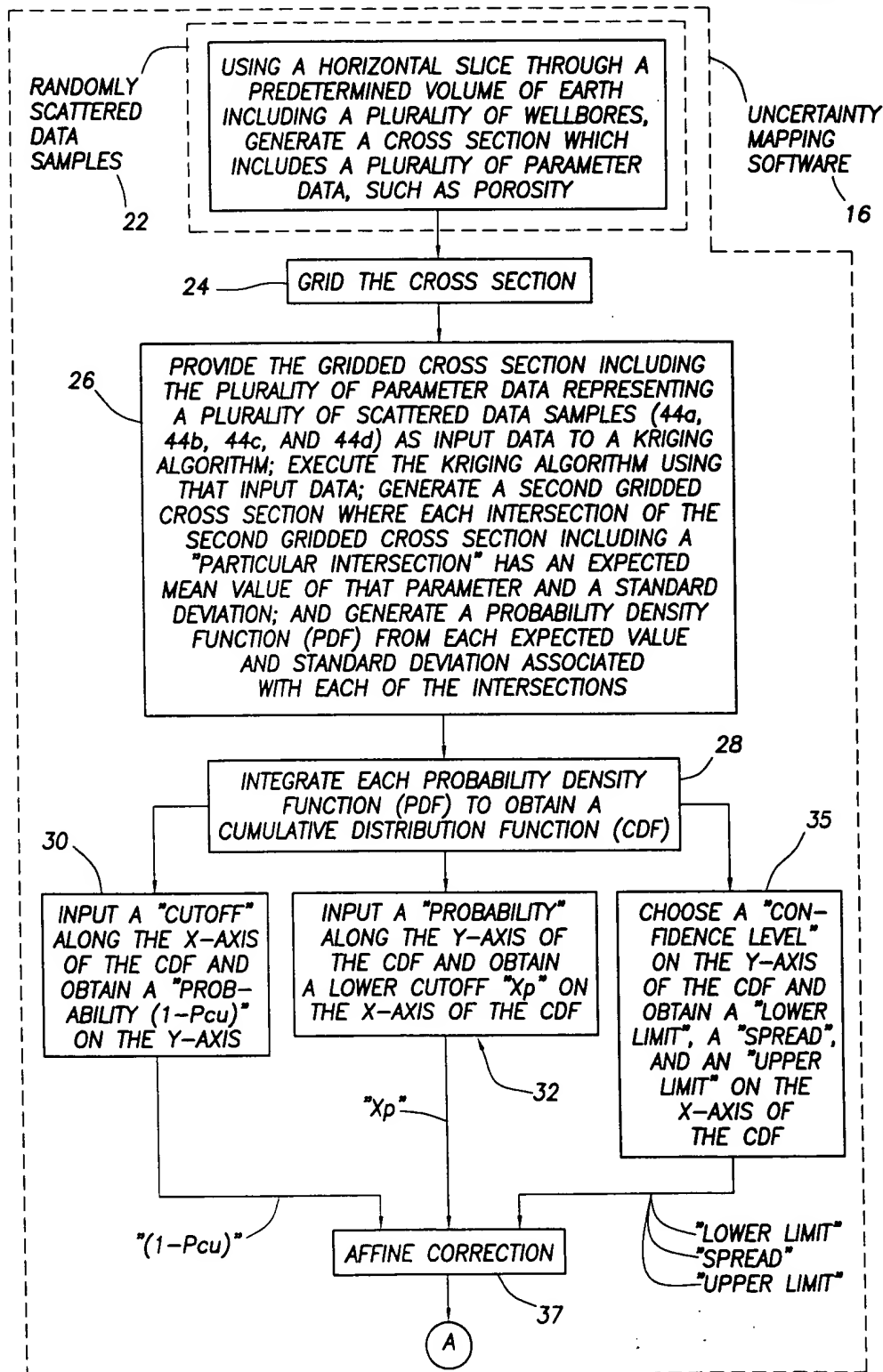


FIG. 1



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FIG.2



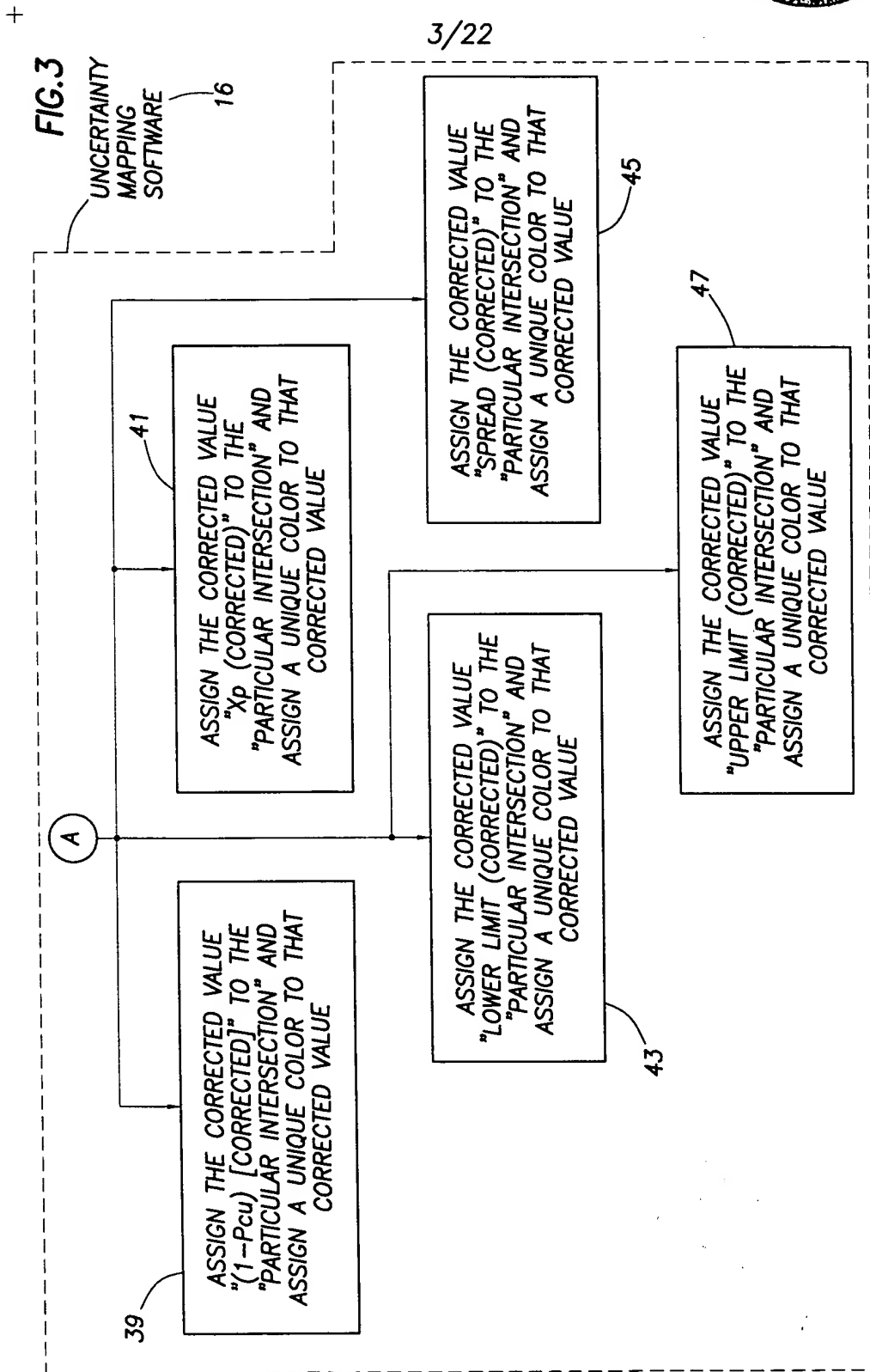




FIG. 4

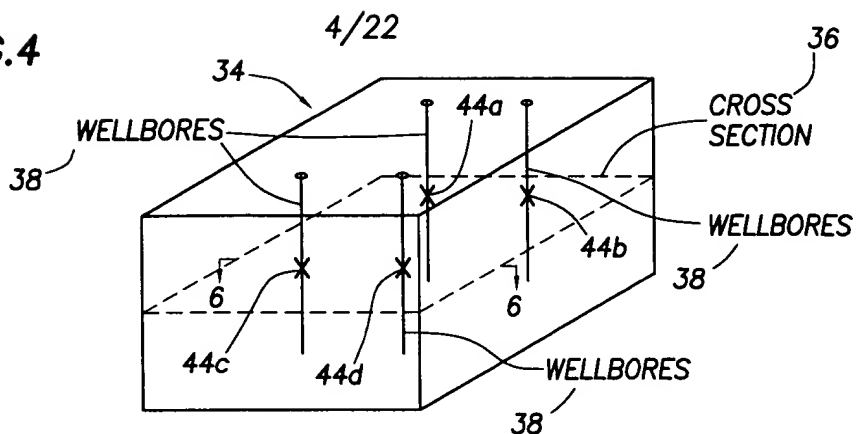


FIG. 5

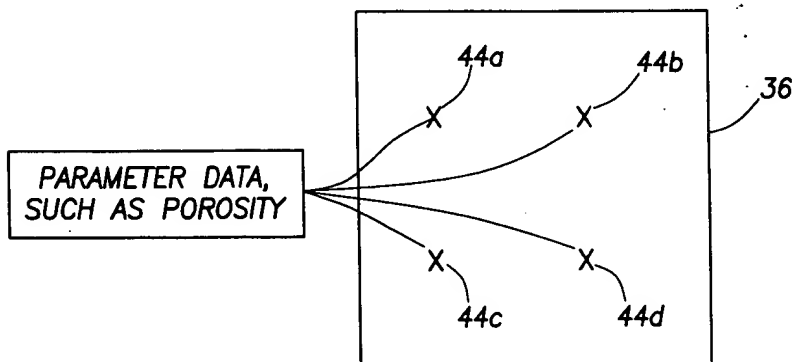
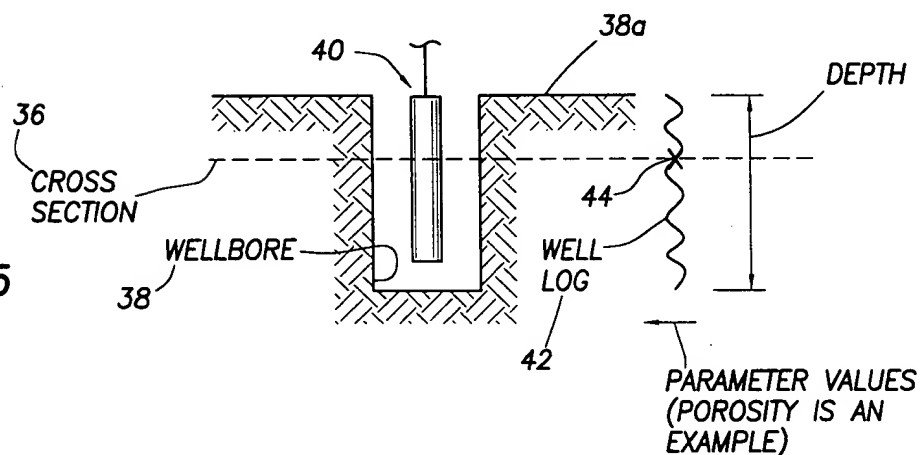
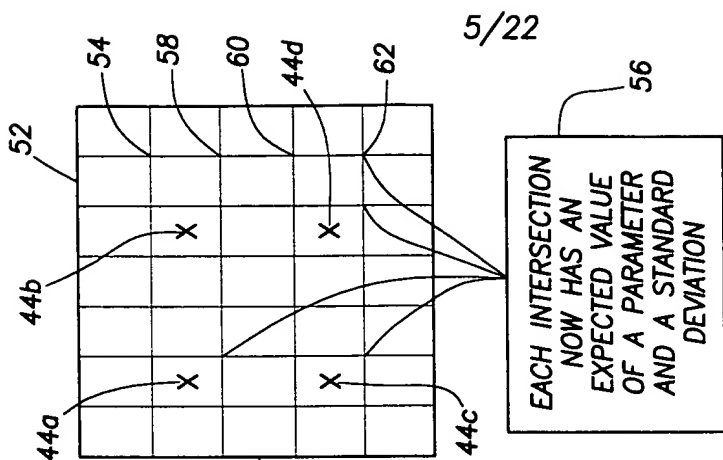
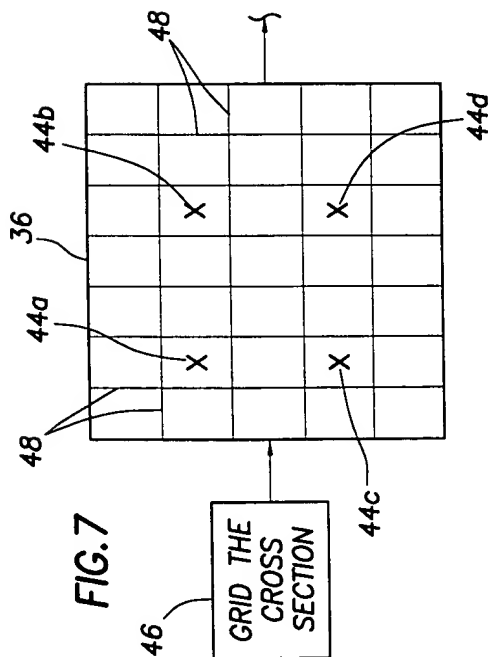
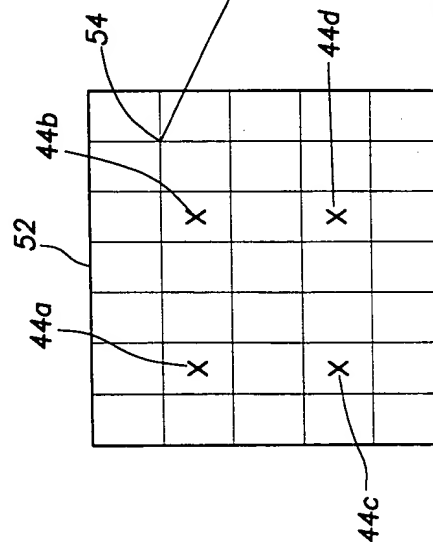


FIG. 6



THIS INTERSECTION NOW
 HAS A PARTICULAR
 EXPECTED VALUE OF A
 PARAMETER, SUCH AS
 POROSITY, AND A
 PARTICULAR STANDARD
 DEVIATION



EACH INTERSECTION
 NOW HAS AN
 EXPECTED VALUE
 OF A PARAMETER
 AND A STANDARD
 DEVIATION

FIG. 9

FIG. 10





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FIG. 10a

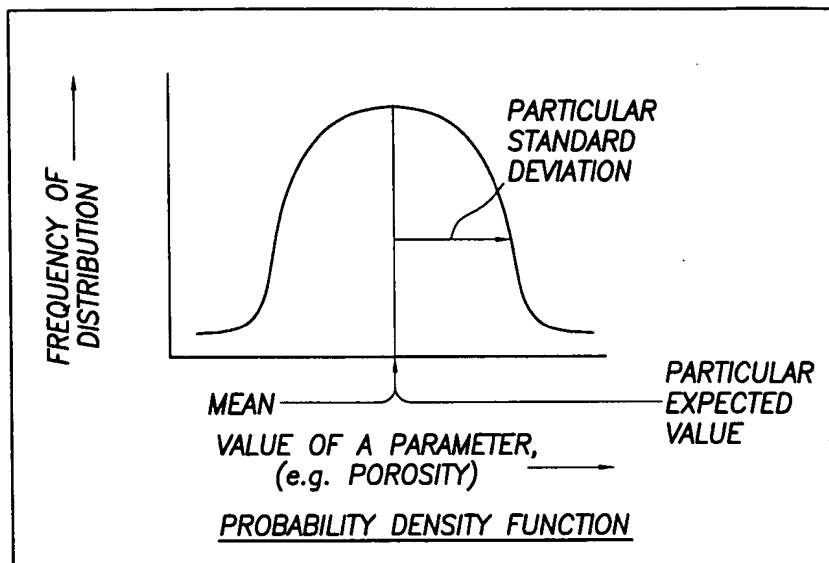


FIG. 11

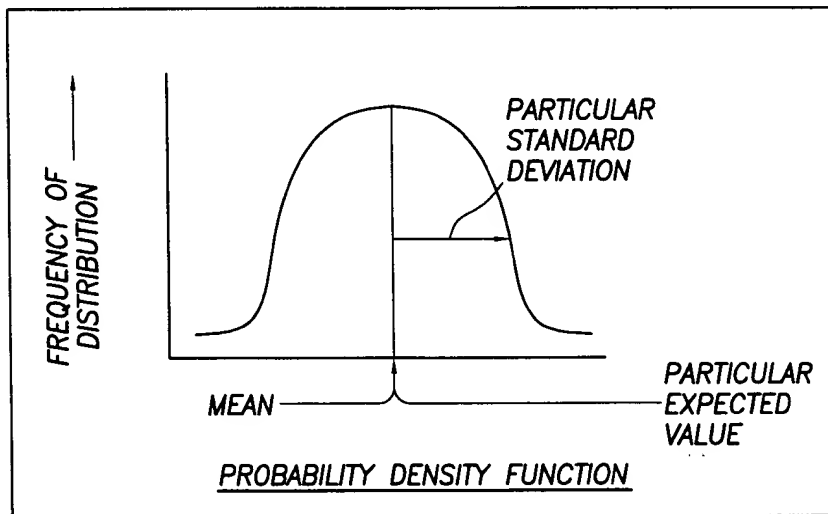
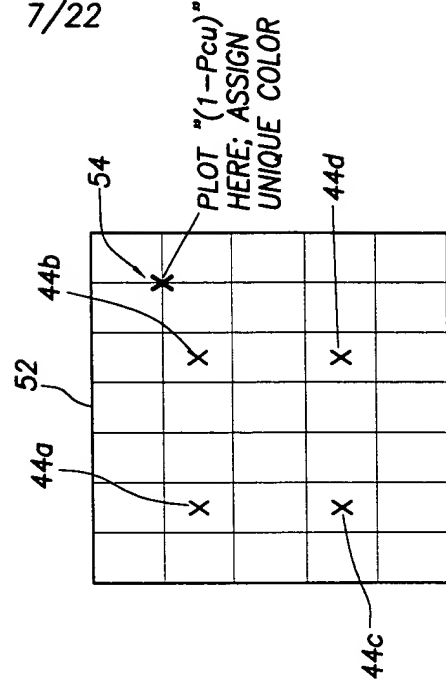
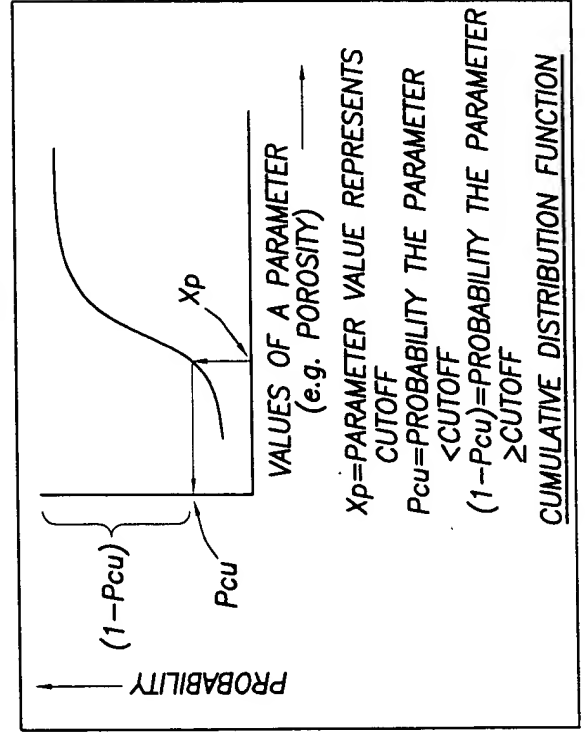
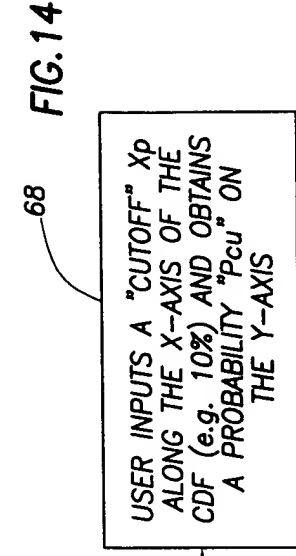
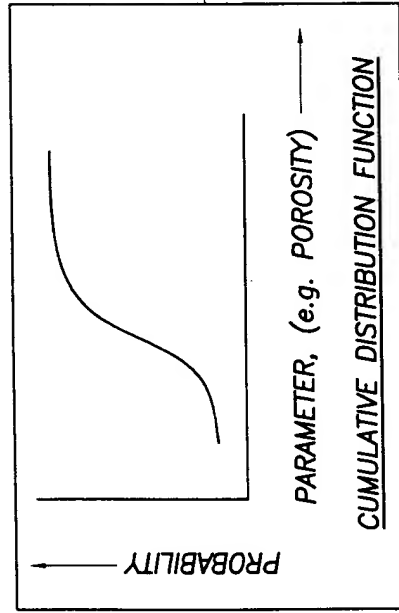


FIG. 12

66
 INTEGRATE THE PROBABILITY DENSITY FUNCTION (PDF)
 TO GET THE CUMULATIVE DISTRIBUTION FUNCTION (CDF)

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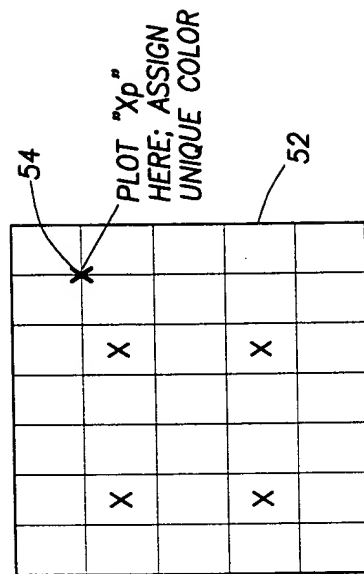
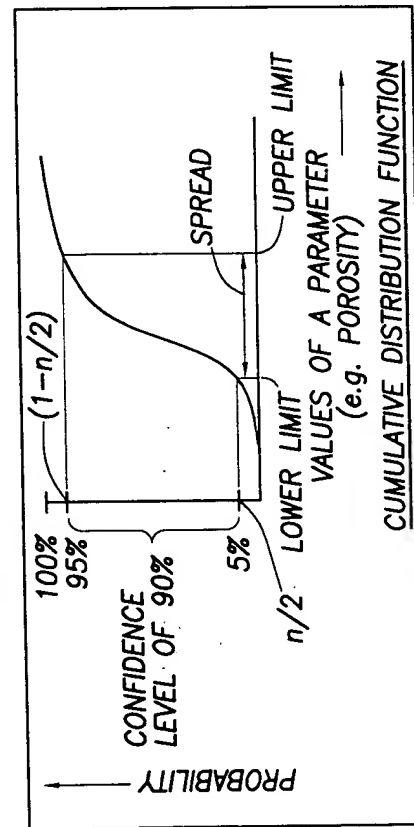
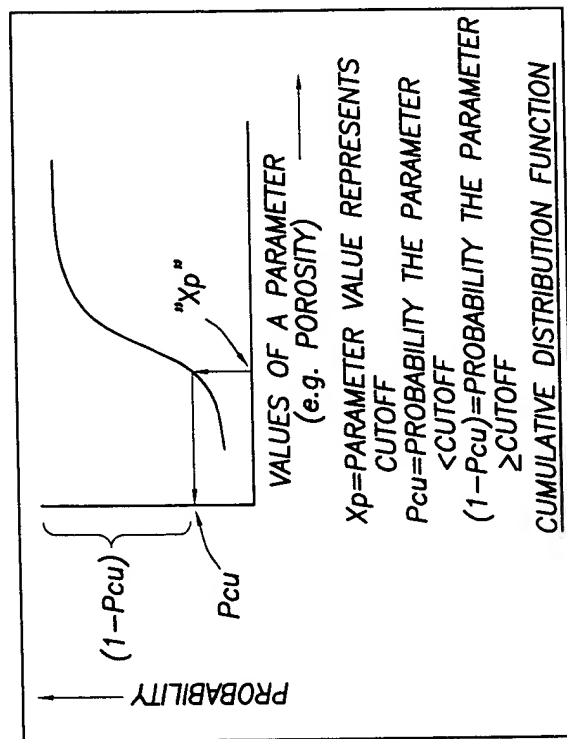


FIG. 18

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PLOT "LOWER LIMIT" HERE;
 ASSIGN UNIQUE COLOR

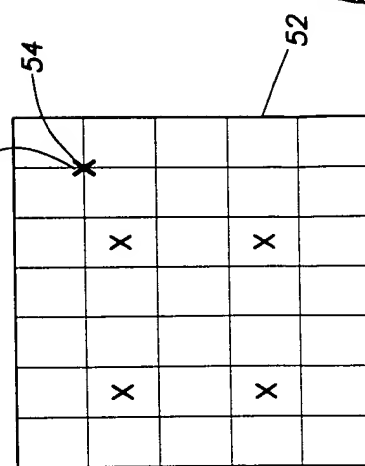
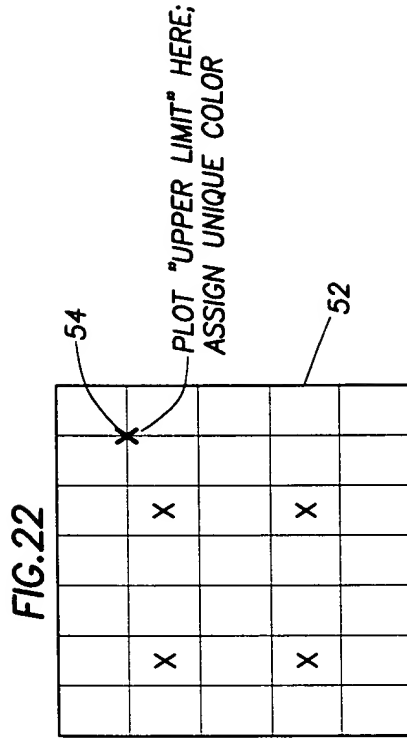
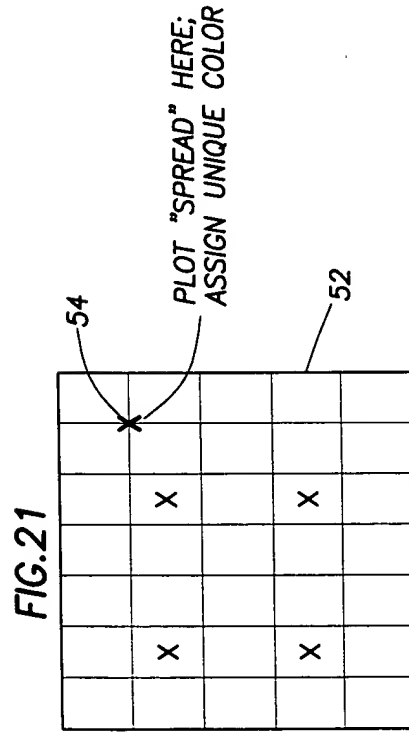
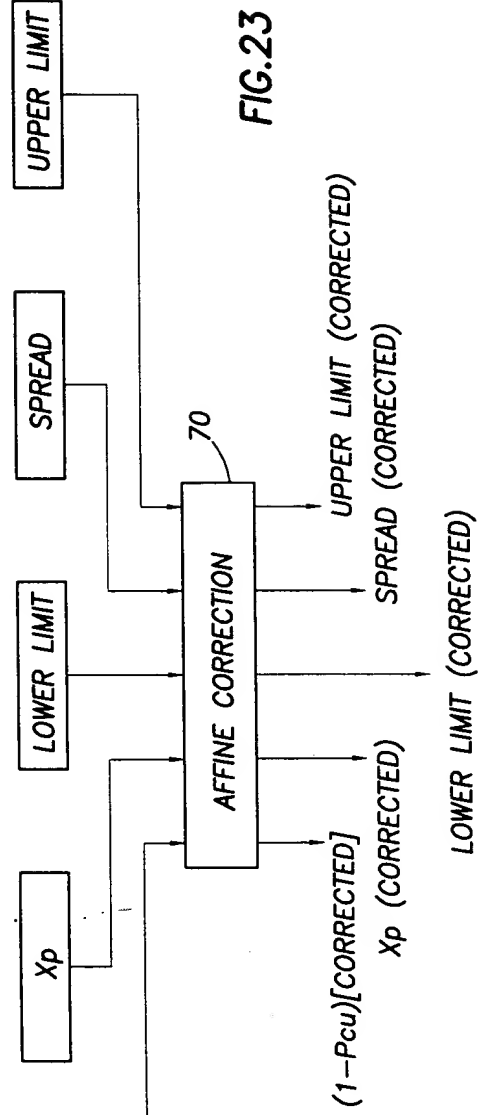


FIG. 20

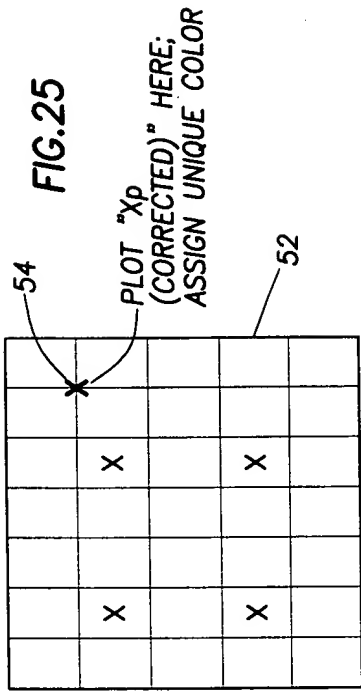
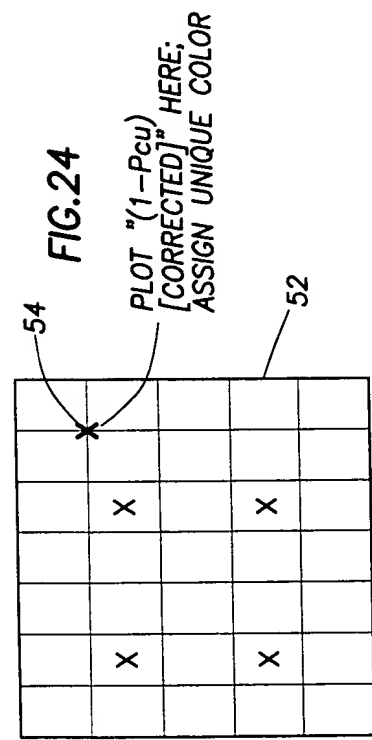




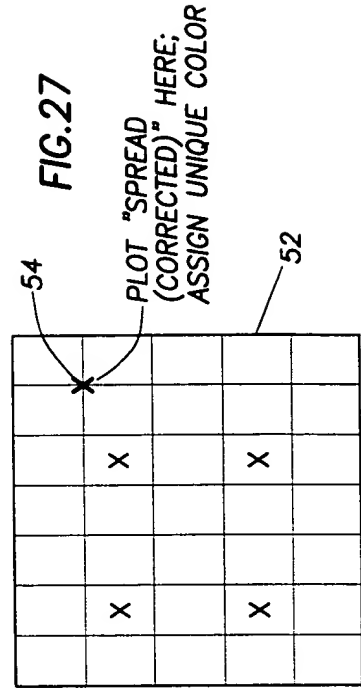
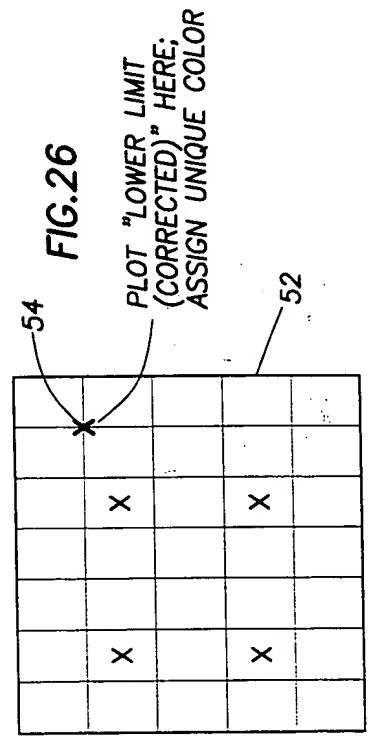
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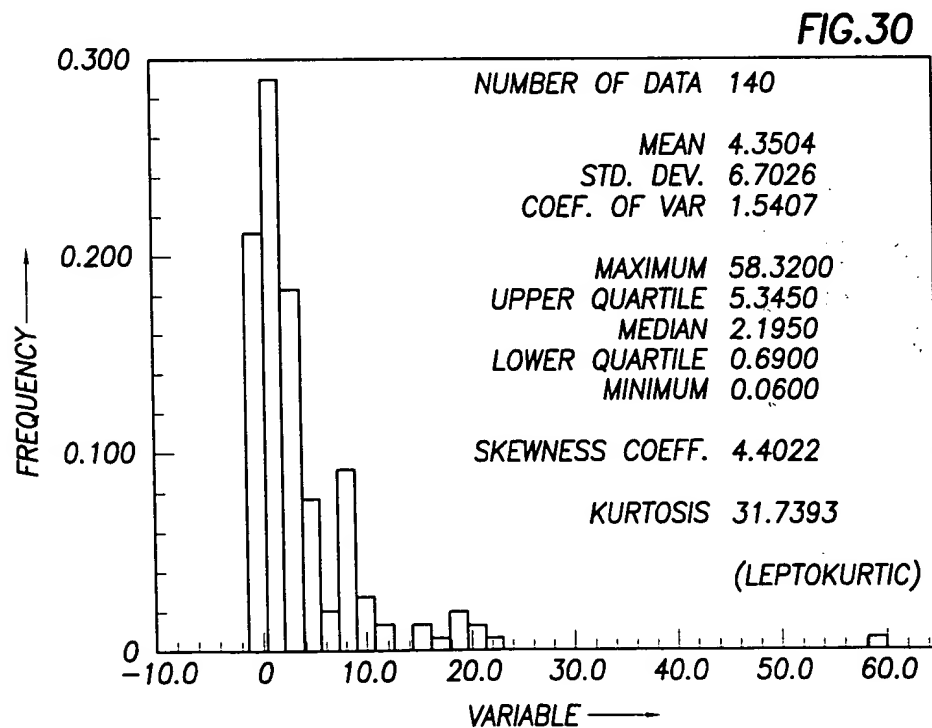
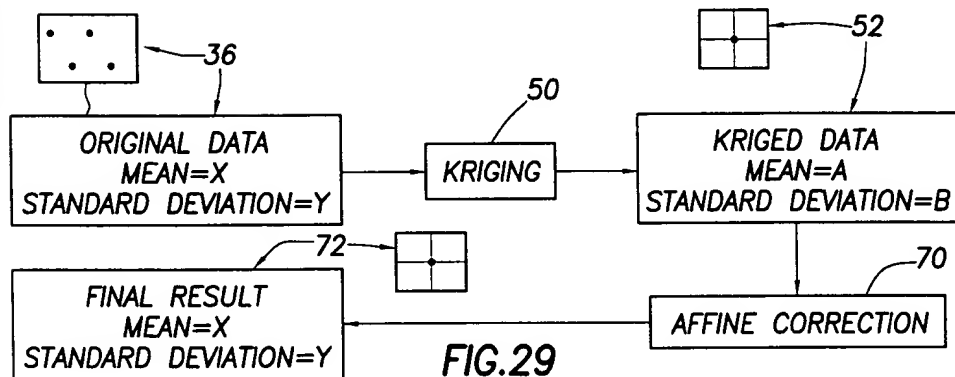
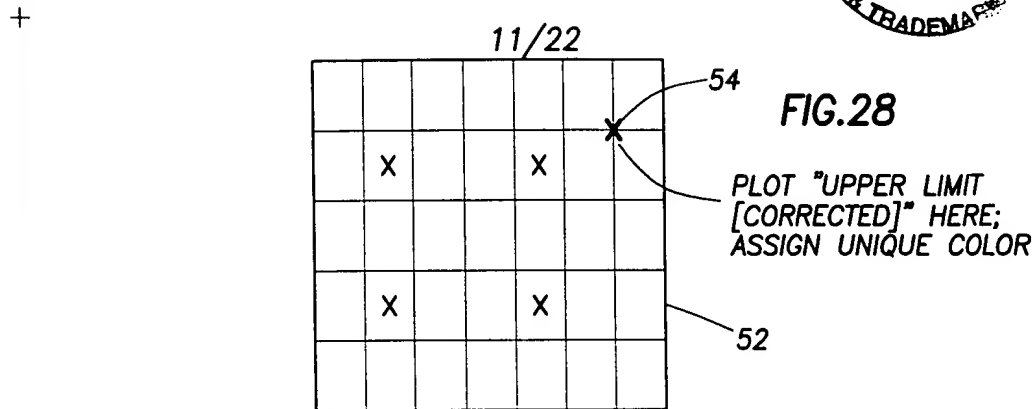
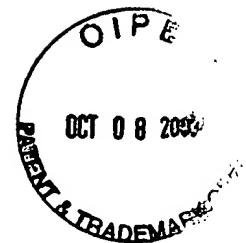
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FIG.31

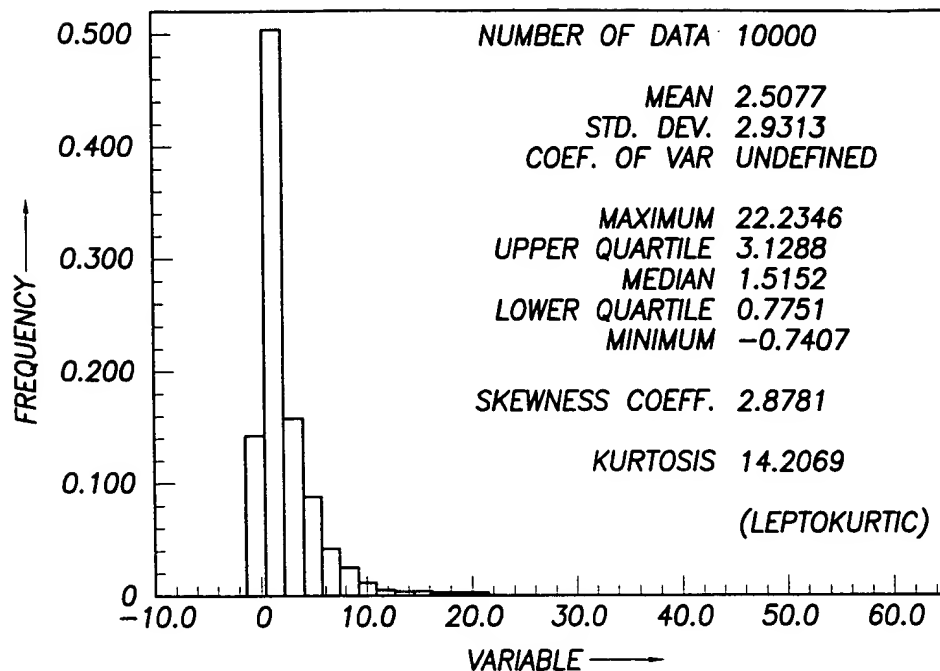
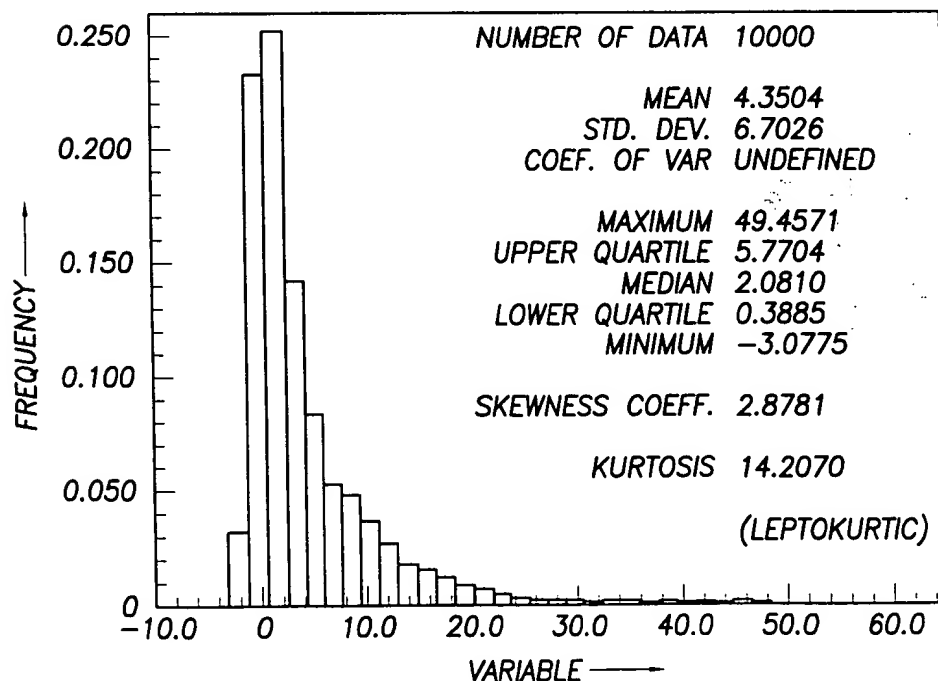


FIG.32





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FIG.33

| | |
|---------|---------|
| FIG.33a | FIG.33b |
| FIG.33c | FIG.33d |

FIG.33a

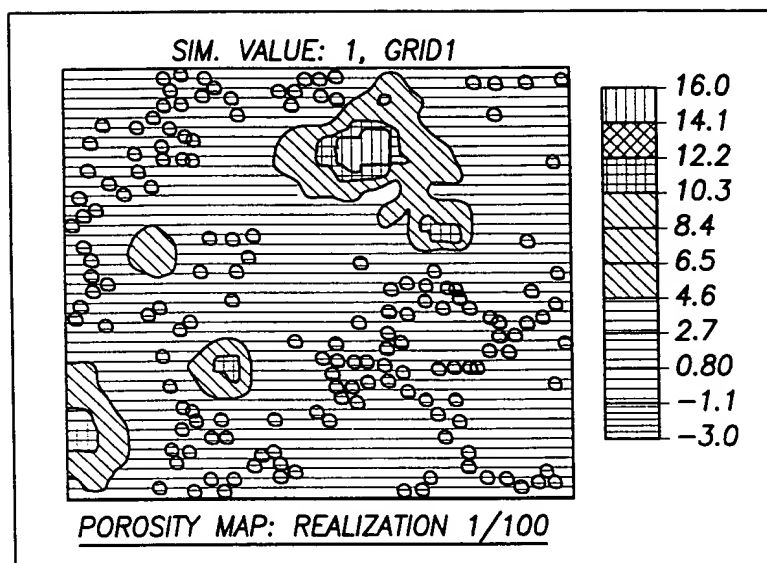
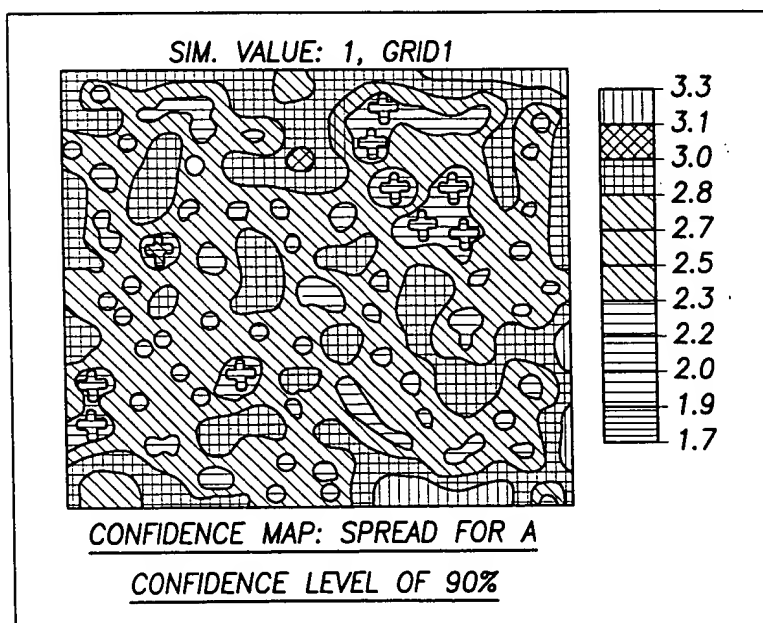


FIG.33b





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FIG.33c

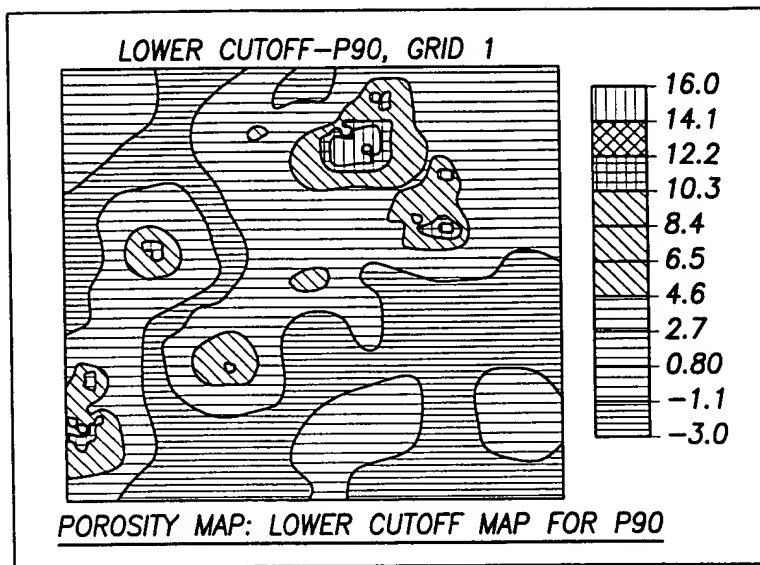
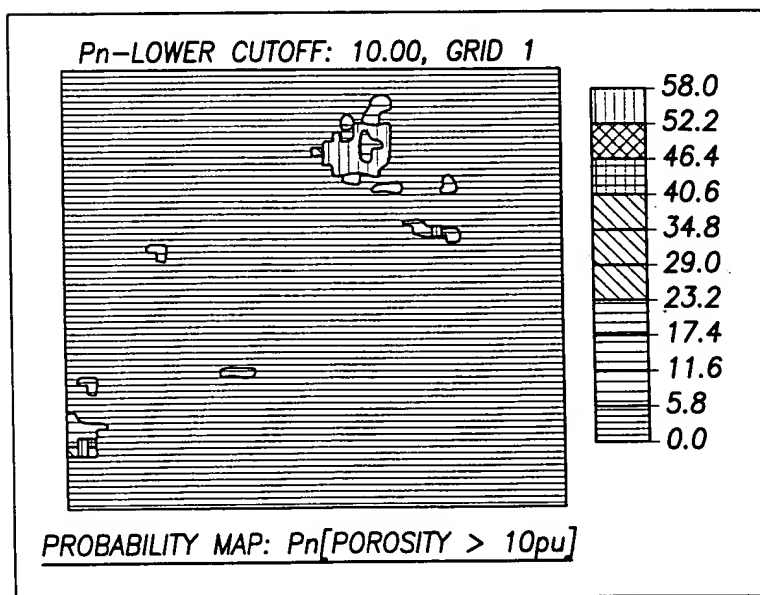


FIG.33d



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FIG.34

| | |
|---------|---------|
| FIG.34a | FIG.34b |
| FIG.34c | FIG.34d |

FIG.34a

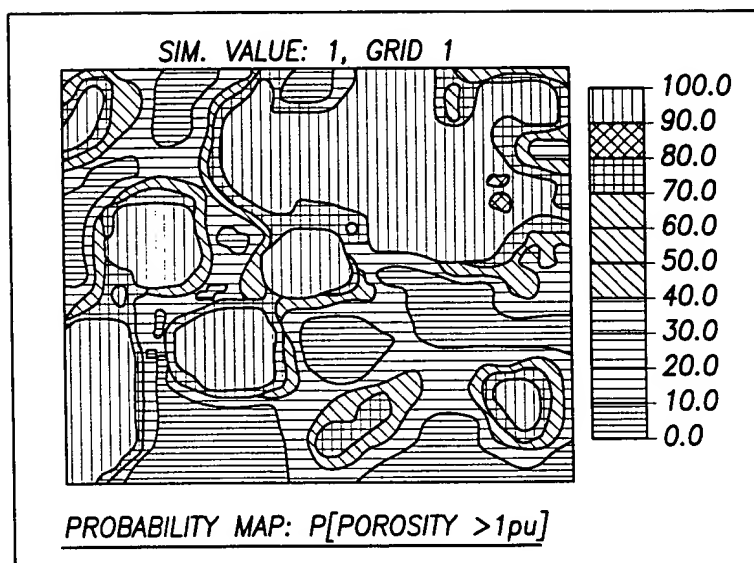
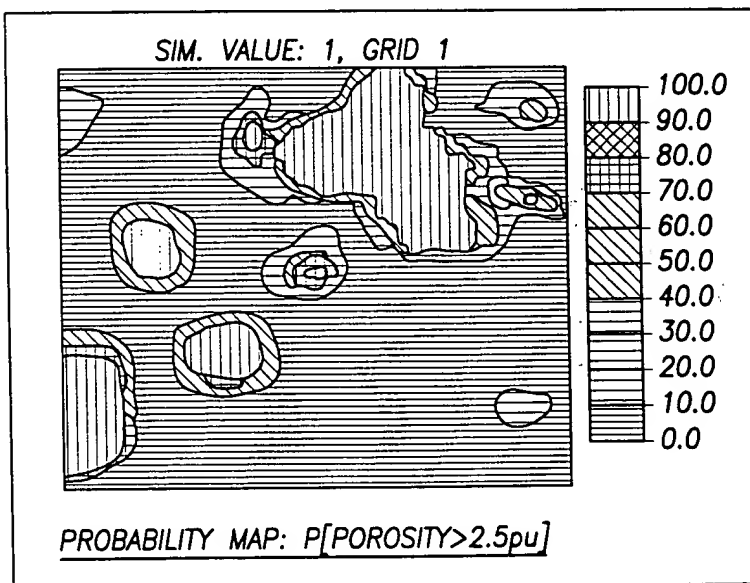


FIG.34b





J.S. Serial No. 09/520,259
 Title: METHOD AND APPARATUS FOR MAPPING UNCERTAINTY AND GENERATING A
 MAP OR A CUBE BASED ON CONDITIONAL SIMULATION OF RANDOM VARIABLES
 Applicant: Peter P. Van Bemmel
 Filed: 03/07/2000
 Atty: Danita J.M. Maseles
 Dkt. No. 94,0027
 Tel: (713) 513-2515

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FIG.34c

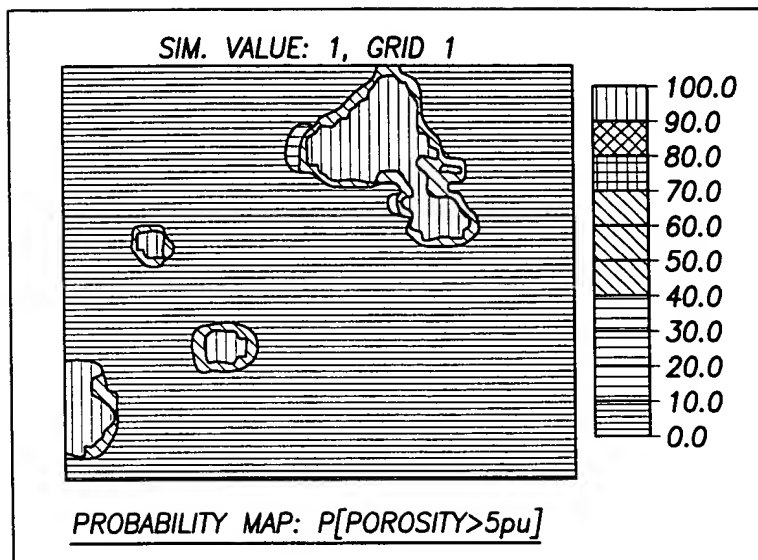
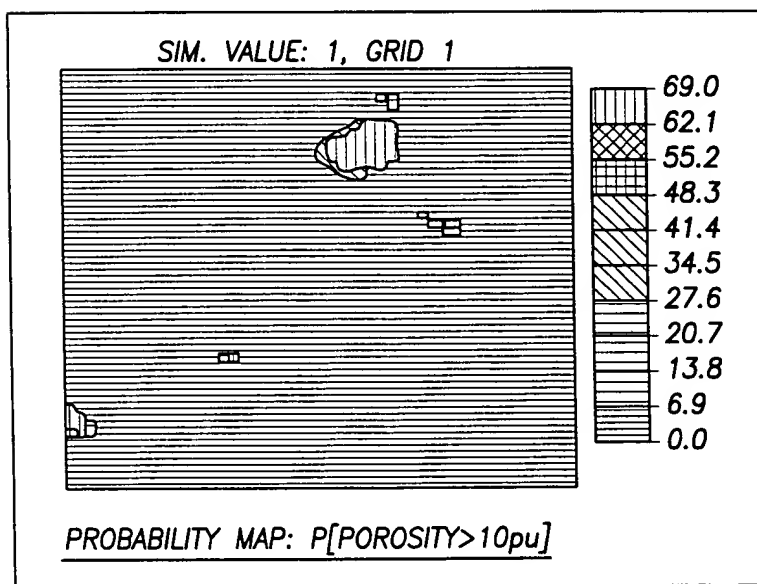


FIG.34d



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FIG.35

| | |
|---------|---------|
| FIG.35a | FIG.35b |
| FIG.35c | FIG.35d |

FIG.35a

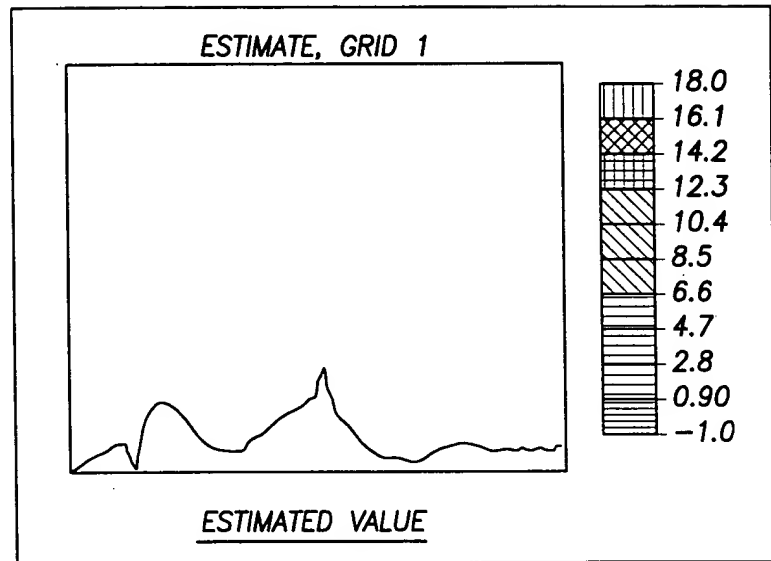
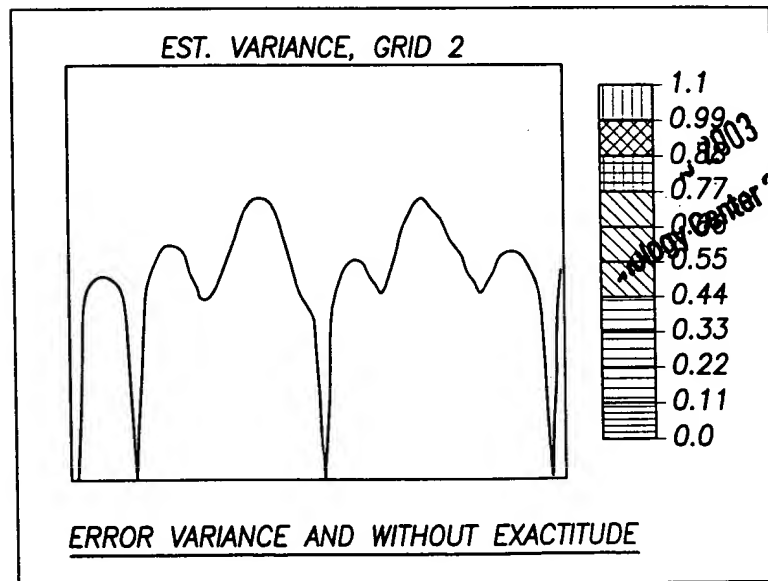


FIG.35b



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FIG.35c

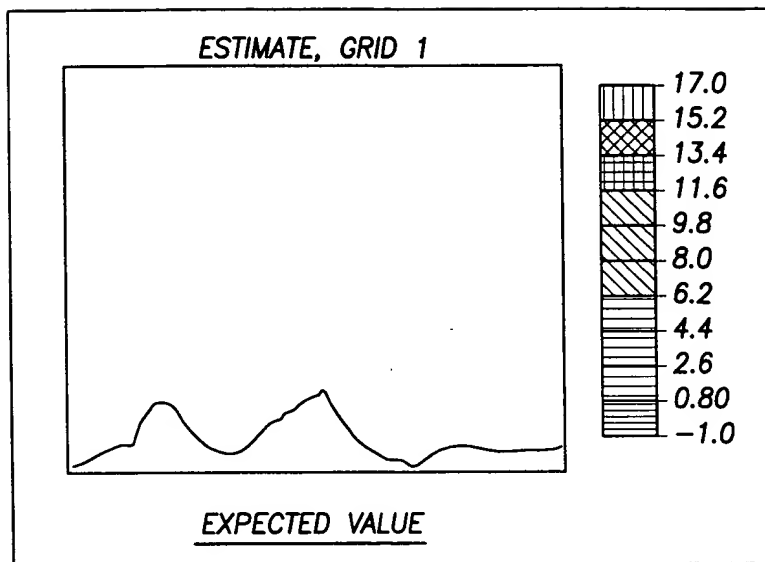
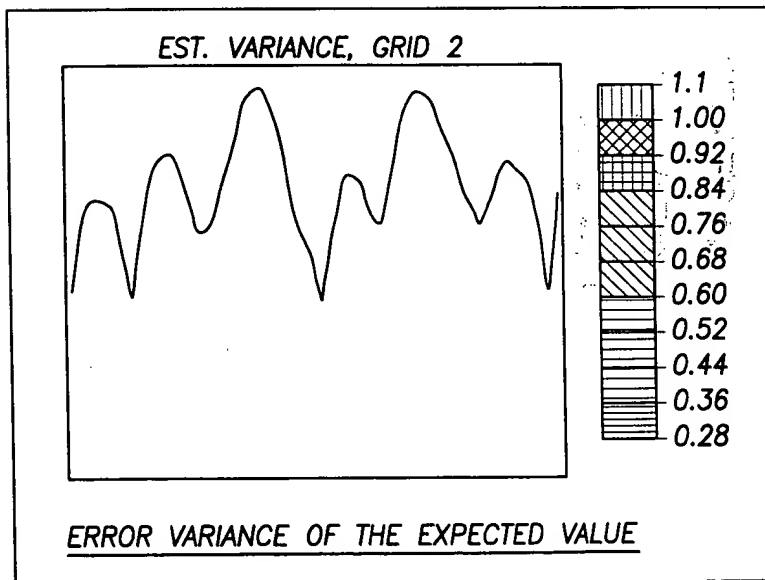


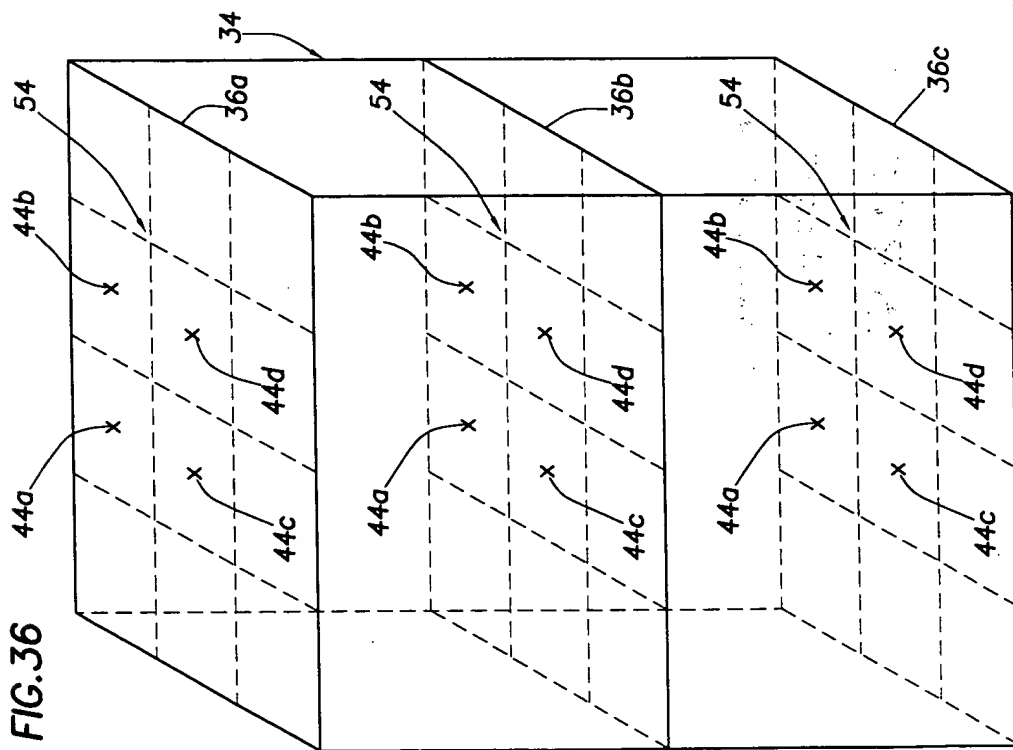
FIG.35d



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FIG.36



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FIG.37

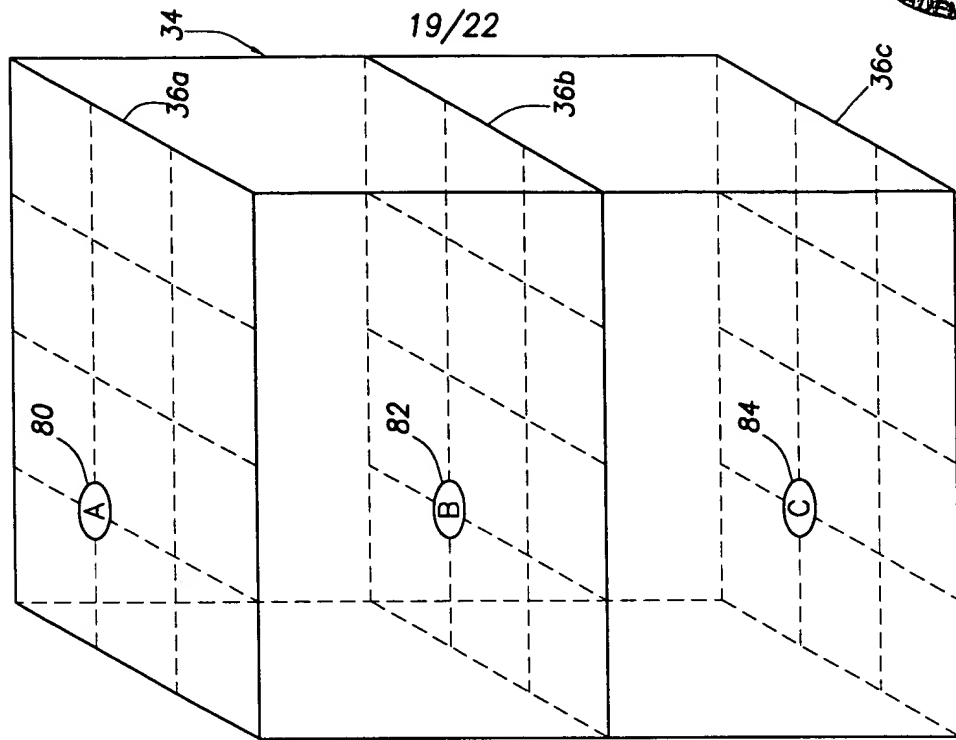


FIG.38

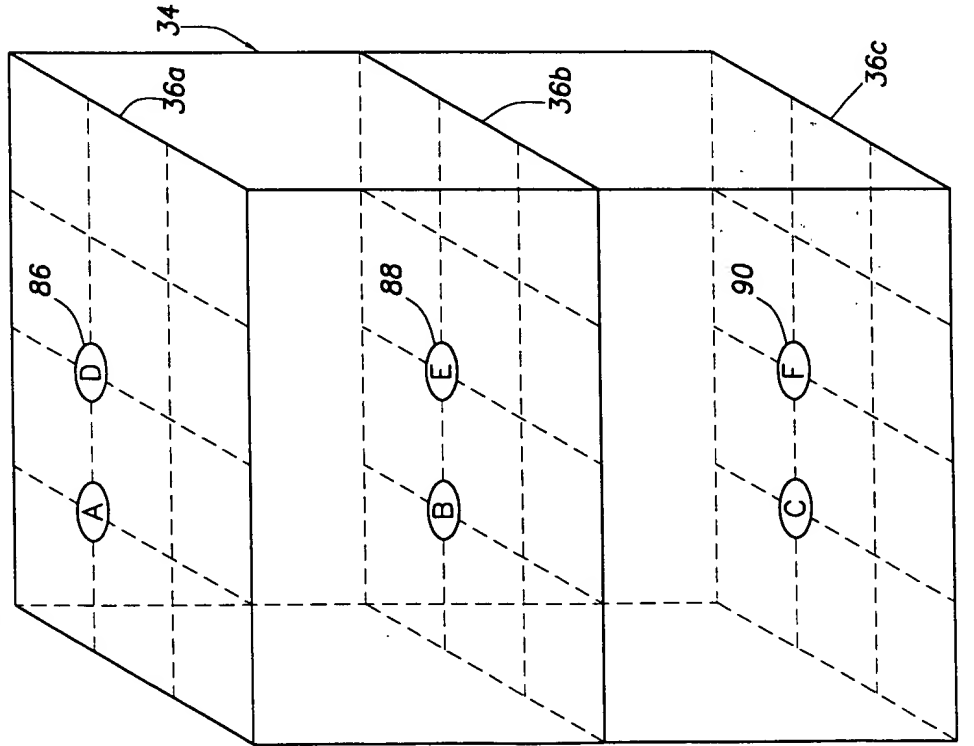
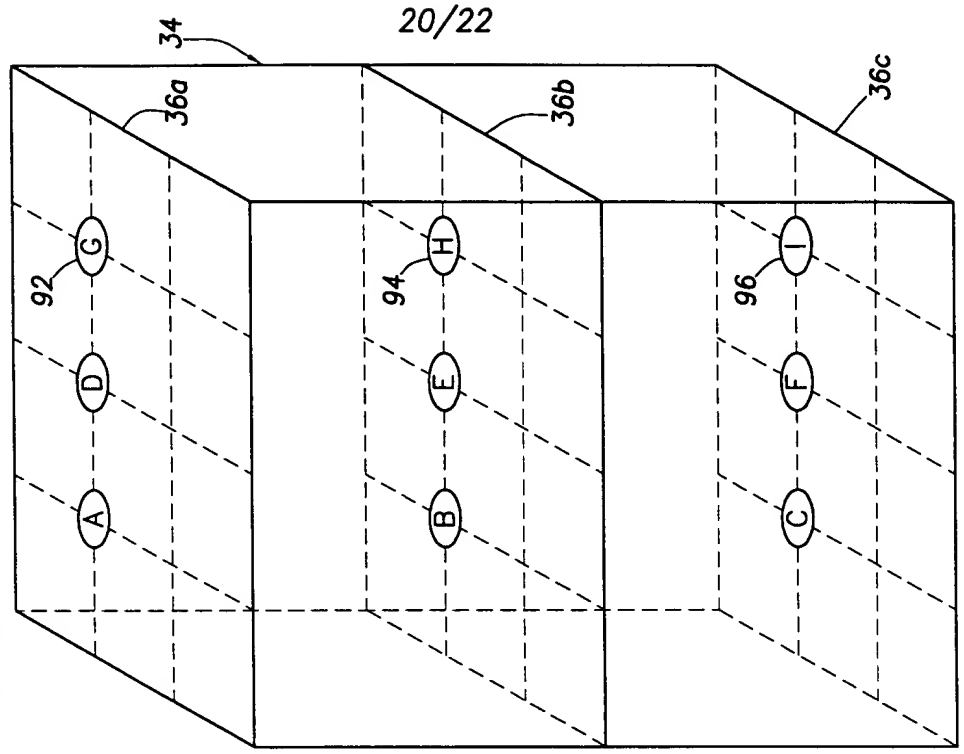


FIG.39



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FIG. 40

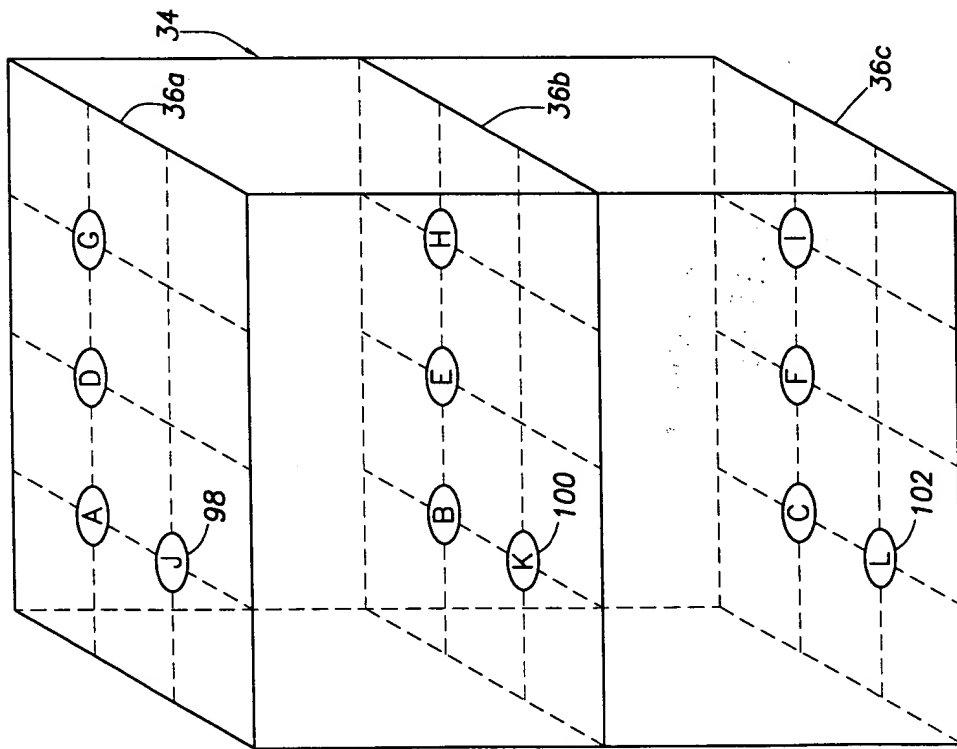
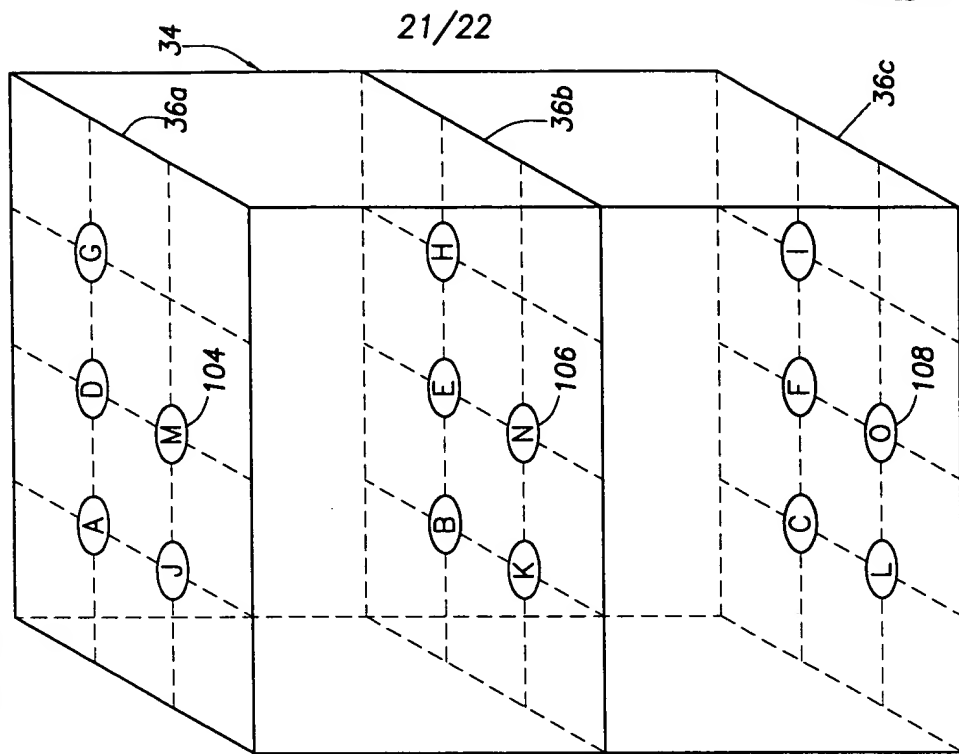


FIG. 41



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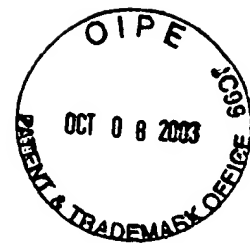




FIG. 42

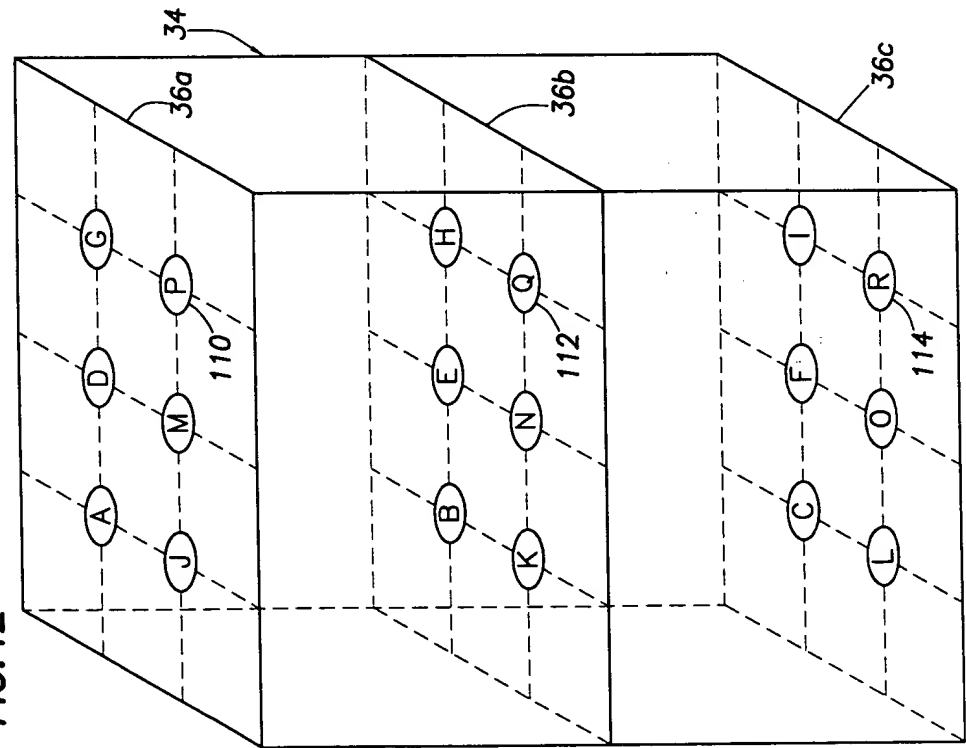
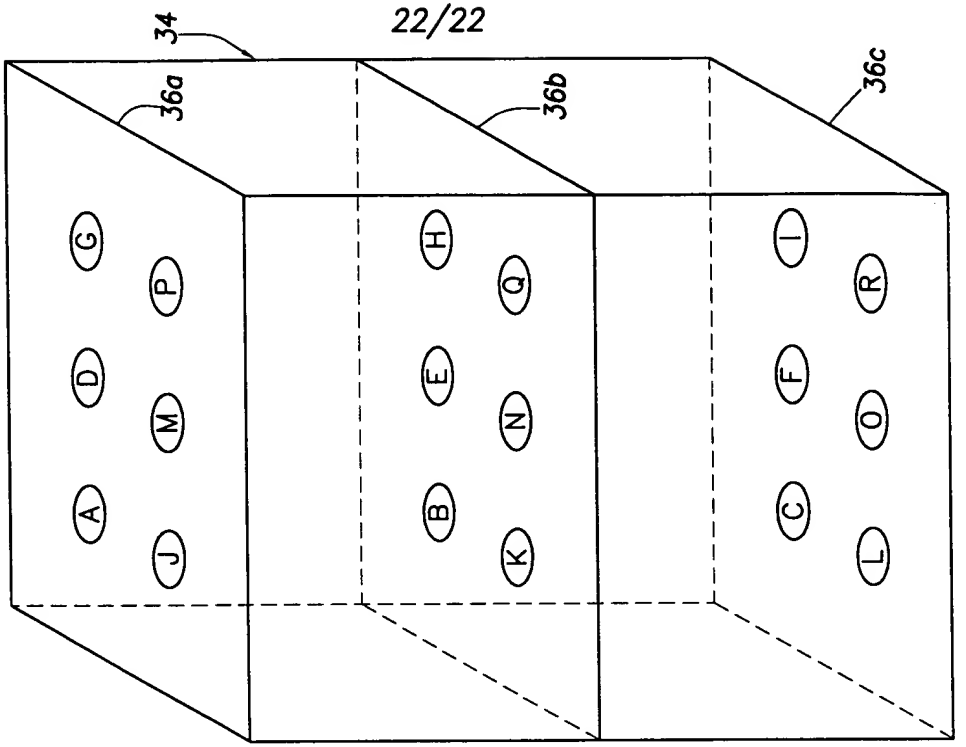


FIG. 43



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